

Title (en)

TECHNIQUES FOR REDUCING CROSSTALK IN MULTICORE FIBERS

Title (de)

VERFAHREN ZUR REDUZIERUNG DES ÜBERSPRECHENS IN MEHRKERN-FASERN

Title (fr)

TECHNIQUES PERMETTANT DE RÉDUIRE LES PROBLÈMES DE DIAPHONIE DANS LES FIBRES MULTIC URS

Publication

EP 2628039 B1 20240417 (EN)

Application

EP 11833377 A 20111012

Priority

- US 95918410 A 20101202
- US 39247210 P 20101012
- US 2011056046 W 20111012

Abstract (en)

[origin: WO2012051362A1] An optical fiber has two or more core regions disposed within a common cladding region. Each of the core regions is configured to guide a respective light transmission comprising at least one optical mode along the length of the fiber. The cores are arranged within the common cladding region according to a core configuration that substantially prevents crosstalk between modes of neighboring cores in the fiber, in a deployment of the fiber in which cross-coupling between neighboring cores is affected by perturbations arising in the deployed fiber.

IPC 8 full level

G02B 6/02 (2006.01)

CPC (source: EP)

G02B 6/02042 (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012051362 A1 20120419; EP 2628039 A1 20130821; EP 2628039 A4 20171206; EP 2628039 B1 20240417; JP 2013543147 A 20131128; JP 5734443 B2 20150617

DOCDB simple family (application)

US 2011056046 W 20111012; EP 11833377 A 20111012; JP 2013533987 A 20111012